

United States Department of Agriculture  
Animal and Plant Health Inspection Service  
4700 River Road  
Riverdale, MD 20737

**Permit to Move Live Plant Pests, Noxious Weeds, and Soil**  
Interstate Movement  
**Regulated by 7 CFR 330**

**This permit was generated electronically via the ePermits system**

<b>PERMITTEE NAME:</b>	Mr. Bradley Booker	<b>PERMIT NUMBER:</b>	P526P-18-02840
<b>ORGANIZATION:</b>	Pacific Ag Research	<b>APPLICATION NUMBER:</b>	P526-180705-005
<b>ADDRESS:</b>	1840 Biddle Ranch Road San Luis Obispo, CA 93401	<b>FACILITY NUMBER:</b>	N/A
<b>MAILING ADDRESS:</b>	1840 Biddle Ranch Road San Luis Obispo, CA 93401	<b>HAND CARRY:</b>	Yes
<b>PHONE:</b>	8055941800	<b>DATE ISSUED:</b>	07/26/2018
<b>FAX:</b>		<b>EXPIRES:</b>	<b>07/26/2021</b>
<b>DESTINATION:</b>	Pacific Ag Research, 1840 Biddle Ranch Road , San Luis Obispo, CA 93401		
<b>RELEASE:</b>	1840 Biddle Ranch Road, San Luis Obispo, CA 93401		

Under the conditions specified, this permit authorizes the following:

<u>Regulated Article</u>	<u>Life Stage(s)</u>	<u>Intended Use</u>	<u>Shipment Origins</u>	<u>Originally Collected</u>	<u>Culture Designation</u>
Agrotis ipsilon	Any	Research - Field	Continental U.S.	Originally Collected from Within the Continental U.S.	
Cydia pomonella	Any	Research - Field	Continental U.S.	Originally Collected from Within the Continental U.S.	
Grapholita molesta	Any	Research - Field	Continental U.S.	Originally Collected from Within the Continental U.S.	
Helicoverpa zea	Any	Research - Field	Continental U.S.	Originally Collected from Within the Continental U.S.	
Plutella xylostella	Any	Research - Field	Continental U.S.	Originally Collected from Within the Continental U.S.	
Spodoptera exigua	Any	Research - Field	Continental U.S.	Originally Collected from Within the Continental U.S.	
Trichoplusia ni	Any	Research - Field	Continental U.S.	Originally Collected from Within the Continental U.S.	

**PERMIT GUIDANCE**

Permit Number P526P-18-02840

THIS PERMIT HAS BEEN APPROVED ELECTRONICALLY BY THE FOLLOWING  
PPQ HEADQUARTER OFFICIAL VIA EPERMITS.

*Carlos A. Blanco*  
**Carlos Blanco**

DATE

**07/26/2018**

WARNING: Any alteration, forgery or unauthorized use of this Federal Form is subject to civil penalties of up to \$250,000 (7 U.S.C.s 7734(b)) or punishable by a fine of not more than \$10,000, or imprisonment of not more than 5 years, or both (18 U.S.C.s 1001)

- 1) This permit does not authorize importation or interstate movement of strains of genetically engineered regulated organisms (created by the use of recombinant DNA technology) or their use outside of a confined laboratory setting.
- 2) If an animal pathogen is identified in your shipment, to ensure appropriate safeguarding, please refer to [http://www.aphis.usda.gov/import\\_export/animals/animal\\_import/animal\\_imports\\_an\\_products.shtml](http://www.aphis.usda.gov/import_export/animals/animal_import/animal_imports_an_products.shtml)
- 3) If a human pathogen is identified, please refer to the CDC Etiologic Agent Import Permit Program at <http://www.cdc.gov/od/eaipp/>
- 4) This permit does not fulfill the requirements of other federal or state regulatory authorities. Please contact the appropriate agencies, such as the U.S. Environmental Protection Agency, the U.S. Fish and Wildlife Service, the U.S. Food and Drug Administration, the Centers for Disease Control and Prevention, the APHIS Veterinary Services unit, the APHIS Biotechnology Regulatory Services, or your State's Department of Agriculture to ensure proper permitting.
- 5) If you are considering renewal of this permit, an application should be submitted at least 90 days prior to the expiration date of this permit to ensure continued coverage. Permits requiring containment facilities may take a longer period of time to process.


### PERMIT CONDITIONS

USDA-APHIS authorizes Mr. Bradley Booker, Pacific Ag Research, 1840 Biddle Ranch Road, San Luis Obispo, CA, to move all life stages of the regulated pests described above from the continental United States, for field research in San Luis Obispo County, California. All these conditions must be followed:

1. The regulated pests described above must be shipped / carried in escape proof containers held within a secure box.
2. The permit holder or their designees are authorized to transport the regulated pests in enclosed motor vehicles (i.e. no motorcycles or open-bed trucks). If stopped by law enforcement and requested to relinquish the insects, then the permit holder must provide a copy of this permit and all conditions. Confiscated pests must be safeguarded prior to return to the permit holder. Shipping/handling costs associated with the movement of confiscated packages are the responsibility of the permit holder. Shipments carried in vehicles must meet all packaging requirements. Any accidents during transport that compromise the security of shipment packaging must be immediately reported to the USDA via: [pest.permits@aphis.usda.gov](mailto:pest.permits@aphis.usda.gov). Include the permit number and ATTN: CA Blanco in the subject line, and describe the efforts taken to contain the pests.
3. Receipt and research with *Helicoverpa zea* known to be, or putatively resistant to *Bacillus thuringiensis* require a separate PPQ 526 permit.

FIELD RELEASE of Bt-resistant or putatively Bt-resistant *Helicoverpa zea* IS NOT AUTHORIZED.


Permit Number P526P-18-02840

<p>THIS PERMIT HAS BEEN APPROVED ELECTRONICALLY BY THE FOLLOWING PPQ HEADQUARTER OFFICIAL VIA EPERMITS.</p> <p style="text-align: center;">   <b>Carlos Blanco</b> </p>	<p>DATE</p> <p style="text-align: center;"><b>07/26/2018</b></p>
--	--

WARNING: Any alteration, forgery or unauthorized use of this Federal Form is subject to civil penalties of up to \$250,000 (7 U.S.C.s 7734(b)) or punishable by a fine of not more than \$10,000, or imprisonment of not more than 5 years, or both (18 U.S.C.s 1001)

4. This permit authorizes the interstate movement from colonies that originated in the continental United States. Colonies that originated from foreign countries, from US territories, or Hawaii require a separate permit.
5. This permit only covers the listed insects. Work with plant diseases that these regulated pests may transmit originating from outside of the destination state requires a separate permit.
6. There is to be no further movement or distribution of the listed regulated pests within the United States and its territories unless the recipient holds, or is named as a responsible party on a valid PPQ526 permit for receipt of such insects.
7. The permit holder must:
  - maintain a valid PPQ526 permit so long as the regulated materials/organisms are alive or viable,
  - not assign or transfer this permit to other persons without APHIS PPQ authorization,
  - maintain an official permanent work assignment, residence, or affiliation at the address on this permit,
  - notify the Pest Permit Staff as soon as possible of any change in the permit holder's work assignment, residence, or affiliation,
  - notify the Pest Permit Staff of the receipt of unauthorized and/or misdirected shipments of regulated materials/organisms,
  - adequately mitigate environmental impacts resulting from unauthorized release of regulated materials/organisms and notify the Pest Permit staff immediately if one occurs,
  - notify the Pest Permit Staff if the facility is damaged/destroyed or if you wish to decommission the facility,
  - destroy all regulated materials/organisms prior to departure from the organization unless other arrangements are confirmed by the Pest Permit Staff.


Notifications to the Pest Permit Staff must be made via 866-524-5421 or [pest.permits@aphis.usda.gov](mailto:pest.permits@aphis.usda.gov) within one business day of the event triggering a notification.

Permit Number P526P-18-02840	
THIS PERMIT HAS BEEN APPROVED ELECTRONICALLY BY THE FOLLOWING PPQ HEADQUARTER OFFICIAL VIA EPERMITS.   <b>Carlos Blanco</b>	DATE   <b>07/26/2018</b>

WARNING: Any alteration, forgery or unauthorized use of this Federal Form is subject to civil penalties of up to \$250,000 (7 U.S.C.s 7734(b)) or punishable by a fine of not more than \$10,000, or imprisonment of not more than 5 years, or both (18 U.S.C.s 1001)

8. • This permit is issued by the United States Department of Agriculture's Animal and Plant Health Inspection Service (APHIS). It conveys APHIS regulations and requirements for the material(s) listed on this permit. It does not reduce or eliminate your legal duty and responsibility to comply with all other applicable Federal and State regulatory requirements.
- The permit number or a copy of the permit must accompany the shipment.
  - You must be an individual at least 18 years old, or legal entity such as partnership, corporation, association, or joint venture.
  - You are legally responsible for complying with all permit requirements and permit conditions.
  - If you violate any applicable laws associated with this permit, you may face substantial civil or criminal penalties. We may cancel all current permits and deny future permit applications.
  - Without prior notice and during reasonable hours, authorized Federal and State Regulators must be allowed to inspect the conditions associated with the regulated materials/organisms authorized under this permit.
9. CDFA recommends approval of this permit with the added condition: "This permit does not authorize distribution or redistribution of imported insects. All insects shipped under this permit must be laboratory-raised F1 generation produced within the (continental) United States (or its territories)."

**END OF PERMIT CONDITIONS**

Permit Number P526P-18-02840	
THIS PERMIT HAS BEEN APPROVED ELECTRONICALLY BY THE FOLLOWING PPQ HEADQUARTER OFFICIAL VIA EPERMITS.   <b>Carlos Blanco</b>	DATE  <b>07/26/2018</b>

WARNING: Any alteration, forgery or unauthorized use of this Federal Form is subject to civil penalties of up to \$250,000 (7 U.S.C.s 7734(b)) or punishable by a fine of not more than \$10,000, or imprisonment of not more than 5 years, or both (18 U.S.C.s 1001)